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RAW SEQUENCE LISTING

DATE: 01/15/2002

PATENT APPLICATION: US/10/026,001

TIME 18 08:38

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF3\01152002\J026001.raw

ENTERED

4 110 APPLICANT: Nicolette, Charles A.
 6 120 TITLE OF INVENTION: ANTIGENIC CK-18 COMPOUNDS FOR THERAPY
 7 AND DIAGNOSIS AND METHODS FOR USING SAME
 10 130 FILE REFERENCE: GZ 210800
 C--> 12 140 CURRENT APPLICATION NUMBER: US/10/026,001
 13 141 CURRENT FILING DATE 2001-12-21
 15 150 PRIOR APPLICATION NUMBER: 60/257,820
 16 151 PRIOR FILING DATE: 2000-12-21
 18 160 NUMBER OF SEQ ID NOS 8
 20 170 SOFTWARE: FastSEQ for Windows Version 4.0
 22 210 SEQ ID NO: 1
 23 211 LENGTH: 430
 24 212 TYPE PRT
 25 213 ORGANISM: Homo sapiens
 27 240 SEQUENCE: 1
 28 Met Ser Phe Thr Thr Arg Ser Thr Phe Ser Thr Asn Tyr Arg Ser Leu
 29 1 5 10 15
 30 Gly Ser Val Gln Ala Pro Ser Tyr Gly Ala Arg Pro Val Ser Ser Ala
 31 20 25 30
 32 Ala Ser Val Tyr Ala Gly Ala Gly Gly Ser Gly Ser Arg Ile Ser Val
 33 35 40 45
 34 Ser Arg Ser Thr Ser Phe Arg Gly Gly Met Gly Ser Gly Gly Leu Ala
 35 50 55 60
 36 Thr Gly Ile Ala Gly Gly Leu Ala Gly Met Gly Gly Ile Gln Asn Glu
 37 65 70 75 80
 38 Lys Glu Thr Met Gln Ser Leu Asn Asp Arg Leu Ala Ser Tyr Leu Asp
 39 85 90 95
 40 Arg Val Arg Ser Leu Glu Thr Glu Asn Arg Arg Leu Glu Ser Lys Ile
 41 100 105 110
 42 Arg Glu His Leu Glu Lys Lys Gly Pro Gln Val Arg Asp Trp Ser His
 43 115 120 125
 44 Tyr Phe Lys Ile Ile Glu Asp Leu Arg Ala Gln Ile Phe Ala Asn Thr
 45 130 135 140
 46 Val Asp Asn Ala Arg Ile Val Leu Gln Ile Asp Asn Ala Arg Leu Ala
 47 145 150 155 160
 48 Ala Asp Asp Phe Arg Val Lys Tyr Glu Thr Glu Leu Ala Met Arg Gln
 49 165 170 175
 50 Ser Val Glu Asn Asp Ile His Gly Leu Arg Lys Val Ile Asp Asp Thr
 51 180 185 190
 52 Asn Ile Thr Arg Leu Gln Leu Glu Thr Glu Ile Glu Ala Leu Lys Glu
 53 195 200 205
 54 Glu Leu Leu Phe Met Lys Lys Asn His Glu Glu Glu Val Lys Gly Leu
 55 210 215 220
 56 Gln Ala Gln Ile Ala Ser Ser Gly Leu Thr Val Glu Val Asp Ala Pro
 57 225 230 235 240
 58 Lys Ser Gln Asp Leu Ala Lys Ile Met Ala Asp Ile Arg Ala Gln Tyr
 59 245 250 255

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60 Asp Glu Leu Ala Arg Lys Asn Arg Glu Glu Leu Asp Lys Tyr Trp Ser
61          260          265          270
62 Gln Gln Ile Glu Glu Ser Thr Thr Val Val Thr Thr Gln Ser Ala Glu
63          275          280          285
64 Val Gly Ala Ala Glu Thr Thr Leu Thr Glu Leu Arg Arg Thr Val Gln
65          290          295          300
66 Ser Leu Glu Ile Asp Leu Asp Ser Met Arg Asn Leu Lys Ala Ser Leu
67 305          310          315          320
68 Glu Asn Ser Leu Arg Glu Val Glu Ala Arg Tyr Ala Leu Gln Met Glu
69          325          330          335
70 Gln Leu Asn Gly Ile Leu Leu His Leu Glu Ser Glu Leu Ala Gln Thr
71          340          345          350
72 Arg Ala Glu Gly Gln Arg Gln Ala Gln Glu Tyr Glu Ala Leu Leu Asn
73          355          360          365
74 Ile Lys Val Lys Leu Glu Ala Glu Ile Ala Thr Tyr Arg Arg Leu Leu
75          370          375          380
76 Glu Asp Gly Glu Asp Phe Asn Leu Gly Asp Ala Leu Asp Ser Ser Asn
77 385          390          395          400
78 Ser Met Gln Thr Ile Gln Lys Thr Thr Thr Arg Arg Ile Val Asp Gly
79          405          410          415
80 Lys Val Val Ser Glu Thr Asn Asp Thr Lys Val Leu Arg His
81          420          425          430
82 (210) SEQ ID NO: 2
83 (211) LENGTH: 1407
84 (212) TYPE: DNA
85 (213) ORGANISM: Homo sapiens
86 (400) SEQUENCE: 2
90 togtccgcga agcctgagtc ctgtcccttc tctctccccc gacagcatga gcttcaaccac 60
91 togtccgcga ttcctcacc aactaccggc cctgggctct gtccaggcgc ccagctacgg 120
92 cgcctccggc gtcagcagcg cggccagggt ctatgcaggc gctgggggct ctggttcccg 180
93 gatctccgtg tcccgctcca ccagcttccg gggcgccatg gggctccggg gcttggccac 240
94 cgggatagcc gggggtctgg caggaatggg aggcattcag aacgagaagg agaccatgca 300
95 aagcctgaac gacgcctgg cctcttacct ggaacagagt aggagcctgg agaccgagaa 360
96 ccgtaggctg gagagcaaaa tccggggagc cttggagaa aggggacccc aggtcagaga 420
97 ctggagccat tacttcaaga tcctcgagga cctgagggtt cagatcttcc caaatactgt 480
98 ggacaatgcc cgcctcgttc tgcagattga caatgccctt cttgctgctg atgactttag 540
99 agtcaagtat gagacagagc tggccatgcg ccagtctgtg gagaacgaca tccatgggct 600
100 ccgcaaggtc attgatgaca ccaatatcac acgactgcag ctggagacag agatcagggc 660
101 tctcaaggag gactgtctct tcattgaaga gaaccacgaa gaggaagtaa aaggcctaca 720
102 agcccagatt gcagctctg ggttgacct ggaggtagat gcccacaaat ctcaaggacct 780
103 cgcacaagtc atggcagaca tccggggcca atatgacgag ctggctcgga agaaccgaga 840
104 ggagctagac aactactggt ctccagcagat tgaggagagc accacagtgg tcaccacaca 900
105 gtctgctgag gttggagctg ctgagacgac gctcacagag ctgagacgta cagtcacgtc 960
106 cttggagatc gacttgact ccatgagaaa tctgaaggcc agcttggaga acagcctgag 1020
107 ggaggtgag gcccgtacg cctacagat ggagcagctc aacgggatcc tgctgcacct 1080
108 tgactcagag ctggcacaga cccgggcaga gggacagcgc caggcccagg agtatgaggc 1140
109 cctgctgaac atcaagggtca agctggaggc tgagatcgcc acctaccgcc gctgctgga 1200
110 agatggcgag gactttaatc ttggtgatgc cttggacagc agcaactcca tgcaaaccat 1260
111 ccaaaagacc accacccgcc ggatagtggg tggcaagtg gtgtctgaga ccaatgacac 1320

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RAW SEQUENCE LISTING

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Input Set : A:\Sequence Listing.txt

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112 caaagttctg agcattaag ccagcagaag cagggtaacc tttggggagc aggaggccaa 1380
113 taaaaagtgc agagttcatt ggatgtc 1407
115 <210> SEQ ID NO: 3
116 <211> LENGTH: 9
117 <212> TYPE: PET
118 <213> ORGANISM: Homo sapiens
120 <400> SEQUENCE: 3
121 Phe Leu Asp Lys Gly His Met Tyr Val
122 1 5
125 <210> SEQ ID NO: 4
126 <211> LENGTH: 27
127 <212> TYPE: DNA
128 <213> ORGANISM: Homo sapiens
130 <220> FEATURE:
131 <221> NAME/KEY: misc_feature
132 <222> LOCATION: 6, 15, 27
133 <223> OTHER INFORMATION: n = A,T,C or G
135 <400> SEQUENCE: 4
136 ttttytngara argncayat gtaygtn 27
138 <210> SEQ ID NO: 5
139 <211> LENGTH: 9
140 <212> TYPE: PET
141 <213> ORGANISM: Homo sapiens
143 <400> SEQUENCE: 5
144 Phe Leu Asp Lys Ala His Met Glu Val
145 1 5
148 <210> SEQ ID NO: 6
149 <211> LENGTH: 27
150 <212> TYPE: DNA
151 <213> ORGANISM: Homo sapiens
153 <220> FEATURE:
154 <221> NAME/KEY: misc_feature
155 <222> LOCATION: 6, 15, 27
156 <223> OTHER INFORMATION: n = A,T,C or G
158 <400> SEQUENCE: 6
159 ttttytngara argncayat ggargtn 27
161 <210> SEQ ID NO: 7
162 <211> LENGTH: 10
163 <212> TYPE: PET
164 <213> ORGANISM: Homo sapiens
166 <400> SEQUENCE: 7
167 Phe Met Lys Lys Asn His Glu Glu Glu Val
168 1 5 10
171 <210> SEQ ID NO: 8
172 <211> LENGTH: 30
173 <212> TYPE: DNA
174 <213> ORGANISM: Homo sapiens
176 <220> FEATURE:
177 <221> NAME/KEY: misc_feature

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TIME: 18:08 38

Input Set A:\Sequence Listing.txt

Output Set N:\CRF3\01152002\J026001.raw

178 <222> LOCATION: 30

179 <223> OTHER INFORMATION: n = A,T,C or G

182 <400> SEQUENCE: 8

W-183 ttyatgaara araaycayga rgargargtn

30

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/026,001

DATE: 01/15/2002

TIME: 18:08:39

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF3\01152002\J026001.raw

L:12 M 270 C: Current Application Number differs, Replaced Current Application Number
L 136 M:341 W (46) "n" or "Xaa" used, for SEQ ID#:4
L 159 M:341 W (46) "n" or "Xaa" used, for SEQ ID#:6
L:183 M:341 W (46) "n" or "Xaa" used, for SEQ ID#:8